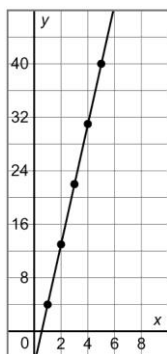


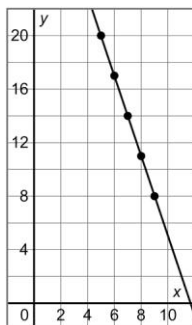
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4. The graphs in parts a, b, and c represent linear relations because they are straight lines.
5. Determine which tables of values reflect constant change.
- a) i) Yes ii) As x increases by 1, y increases by 9.
 b) i) Yes ii) As x decreases by 1, y increases by 3.
 c) i) No iii) As x increases by 1, y does not increase or decrease by a constant value.
 d) i) Yes ii) As x increases by 3, y increases by 2.

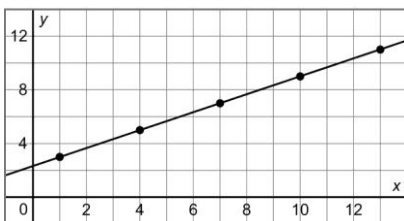
6. a)



b)



d)



The graph of each relation is a straight line so each is a linear relation. This verifies the results from question 5.

7. Substitute the values of x in each equation to find the values of y .

a) $y = 2x$

x	y
1	2
2	4
3	6
4	8

b) $y = x + 2$

x	y
1	3
2	4
3	5
4	6

c) $y = -2x$

x	y
2	-4
4	-8
6	-12
8	-16

d) $y = x - 2$

x	y
4	2
5	3
6	4
7	5